

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~An industrial module system that facilitates Web-based interaction with~~ discovers devices on disparate networks within industrial control systems, comprising:
 - a portal that interfaces to at least one Transfer Control Protocol / Internet Protocol (TCP/IP)-based network and at least one a plurality of disparate networks, wherein at least one of the plurality of disparate networks is a non-TCP/IP-based network; and
 - a browse engine that provides access to at least one component located on the at least one non-TCP/IP-based network, wherein
 - the portal receives a request to access at least one component on the at least one non-TCP/IP-based network from a component on the at least one TCP/IP-based network and invokes [[a]] the browse engine to:
 - search the at least one non-TCP/IP-based network,
 - discover the at least one component located on the non-TCP/IP-based network,
 - and
 - provide direct access to the at least one component located on the at least one non-TCP/IP-based network via a facilitate Web-based network browser to at least one of monitor, control or configure communication with the at least one component located on the at least one non-TCP/IP-based network.
- 2-7. (Cancelled)
8. (Currently Amended) The industrial module system of claim 1, the portal provides a security mechanism that controls access to the at least one component located on the at least one non-TCP/IP-based network.

9. (Currently Amended) The industrial module system of claim 8, the security mechanism is based on at least one of: a policy, a password, a firewall, a code, an identity, a log-on, or an address.

10-12. (Cancelled)

13. (Currently Amended) A system that facilitates Web-based communication with industrial devices residing on disparate networks, comprising:

a gateway associated with a Web application that allows access to a component on at least one Transfer Control Protocol / Internet Protocol (TCP/IP)-based network to and receives a request to access at least one industrial device residing on ~~facilitates access to~~ at least one non-TCP/IP-based network via a standard TCP/IP-Web-based browser, wherein the request to access comprises at least one of a request to control the at least one industrial device, a request to monitor the at least one industrial device or a request to communicate with the at least one industrial device; and

an arbitrator that searches the at least one non-TCP/IP-based network, discovers the at least one industrial device residing the at least one non-TCP/IP-based network and provides displays information related to the at least one industrial device on the Web-based browser and allows direct access to the at least one industrial device, ~~wherein~~

~~the information comprises at least one of: a manual, a log file, a history or a Web page.~~

14-17. (Cancelled)

18. (Previously Presented) The system of claim 13, the arbitrator dynamically discovers at least one newly added or removed industrial device and dynamically updates the information.

19. (Previously Presented) The system of claim 13, the arbitrator employs intelligence to discover the at least one industrial device, the intelligence employs at least one of: a statistic, a probability, a classifier, or an inference.

20-21. (Cancelled)

22. (Previously Presented) The system of claim 13, the gateway comprises a configurable security component that verifies and validates authorization to one or more of the industrial devices.

23-29. (Cancelled)

30. (Currently Amended) A system that facilitates Web access to industrial devices residing on disparate networks, comprising:

a Web proxy page that provides a portal between one or more Transfer Control Protocol / Internet Protocol (TCP/IP)-based networks and one or more non-TCP/IP-based networks ~~means for interfacing Web functionality to at least one non-TCP/IP-based network;~~ and

a network browse engine, invoked by the Web proxy page, that discovers at least one device on the one or more non-TCP/IP-based networks and configures the at least one device on the one or more non-TCP/IP-based networks in response to a request from a component on the TCP/IP-based network. ~~means for browsing the at least one non-TCP/IP-based network and discovering one or more available device on the at least one non-TCP/IP-based network, wherein the means for interfacing routes messages to at least one of the one or more available devices.~~

31. (Cancelled)

32. (Currently Amended) The industrial module system of claim 1, the portal enables selection of the at least one component located on the non-TCP/IP-based network and facilitates at least one of: monitoring the at least one component located on the non-TCP/IP-based network, controlling the at least one component located on the non-TCP/IP-based network, configuring the at least one component located on the non-TCP/IP-based network, or obtaining related information about the at least one component located on the non-TCP/IP-based network.

33. (Currently Amended) The ~~system~~ industrial module of claim 32, the related information includes at least one of: a manual, a Web page, a code or a log.

34. (Currently Amended) The industrial module system of claim 1, wherein the industrial module is the portal and the browse engine reside within an Ethernet/IP-based module.

35. (Currently Amended) The industrial module system of claim 1, the request includes portal invokes the browse engine in response to at least one of: ~~a request to access the at least one component located on the non-TCP/IP-based network~~, a request to identify the at least one component located on the at least one non-TCP/IP-based network or a request to update status information about the at least one component located on the at least one non-TCP/IP-based network.

36. (Currently Amended) The industrial module system of claim [[35]] 1, the request ~~to access~~ comprises at least one of: a request to control the at least one component located on the at least one non-TCP/IP-based network, a request to configure the at least one component located on the at least one non-TCP/IP-based network or a request for information about the at least one component located on the at least one non-TCP/IP-based network.

37. (Currently Amended) The industrial module system of claim 35, the browse engine refreshes status information about the at least one component located on the at least one non-TCP/IP-based network in real time in response to a request to update status information about the at least one component located on the at least one non-TCP/IP-based network.

38-45. (Cancelled)

46. (Previously Presented) The system of claim 18, the arbitrator periodically polls the at least one non-TCP/IP-based network to discover newly added or removed industrial devices.

47. (Previously Presented) The system of claim 18, the arbitrator receives a message indicating the addition or removal of at least one industrial device.

48-50. (Cancelled)